STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

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Application Serial Number: _10/541,998_
Source: _IFWP_
Date Processed by STIC: _8/3/06_

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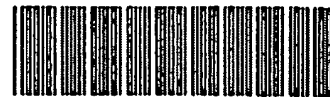   http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
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Revised 01/10/06

IFWP

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RAW SEQUENCE LISTING            DATE: 08/03/2006
PATENT APPLICATION: US/10/541,998   TIME: 09:50:26

Input Set : A:\19020.seq.txt
Output Set: N:\CRF4\08032006\J541998.raw

 3 <110> APPLICANT: Collier, Greg
 4        Walder, Ken
 5        Segal, David
 6        Foletta, Victoria
 8 <120> TITLE OF INVENTION: OBESITY-RELATED GENES
10 <130> FILE REFERENCE: 19020
12 <140> CURRENT APPLICATION NUMBER: 10/541,998
13 <141> CURRENT FILING DATE: 2005-07-13
15 <160> NUMBER OF SEQ ID NOS: 13
17 <170> SOFTWARE: PatentIn version 3.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 426
21 <212> TYPE: DNA
22 <213> ORGANISM: Psammomys obesus
24 <220> FEATURE:
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26 <222> LOCATION: (336)..(366)
27 <223> OTHER INFORMATION: n = any nucleotide sequence
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33 aatataatca cgcaggctcc taacctggag aacattgagc tgtactggaa cagctacaac  120
35 aaccgccgag acctgaactt cgagcgaggt ggtgagatga ccctcaagtg ccctgtgatg  180
37 ctggtggtag gagaccaagc gcctcatgag gatgccgtgg tggagtgtaa ctcaaaactg  240
39 gaccccacac agacctcgtt cctcaagatg gctgattctg gaggtcagcc acagctgacc  300
41 cagccaggca agctgactga ggctttcaag tacttnctgc aaggcatggg ctacatggcc  360
43 tcctcctgca tgactcgcct atcgaggtct cgcacggcat ctttgaccag cgcagcatcc  420
45 attgat                                                            426
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49 <211> LENGTH: 451
50 <212> TYPE: DNA
51 <213> ORGANISM: Psammomys obesus
53 <400> SEQUENCE: 2
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56 atcgctcctg ccgtggttca cattgaactg tatcgcaaac ttcctttctc gaagagggag  120
58 gtgccagtgg cgagtgggtc cggatttatc gtgtctgagg atggactgat tgtgaccaat  180
60 gctcacgtgg tgaccaacaa aaacagggtc aaggttgagc tgaagaatgg agcaacctat  240
62 gaagctaaaa tcaaggatgt ggatgaaaag gcagacatcg cacttatcaa aattgaccac  300
64 cagggaaagc tgccagtctt gctgctgggc cgctcctcag agcttcgacc aggagagttt  360
66 gtggtcgcca tcggaagccc ctttttcctt caaaacacag tcaccactgg gatcgtcagt  420
68 accacccagc gaggcggcaa agagctgggg c                                 451
71 <210> SEQ ID NO: 3
72 <211> LENGTH: 478
73 <212> TYPE: DNA
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W--> (line 41, handwritten arrow)

(handwritten annotations:)

see pp 1-7

Does Not Comply
Corrected Diskette Needed

(366) circled, (336) written

(sequence) circled — FYI: "n" can only represent a single nucleotide. If "sequence" denotes more than one nucleotide, it is an invalid designation. If you mean "n" = any nucleotide, that is valid.

(please check all sequences showing n's)

8/3/2006

RAW SEQUENCE LISTING   DATE: 08/03/2006
PATENT APPLICATION: US/10/541,998   TIME: 09:50:26

Input Set : A:\19020.seq.txt
Output Set: N:\CRF4\08032006\J541998.raw

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80 tcagtacttg aacaaattca aaacacattg gtttattaac ttttggctca tgcatggttt   120
82 attaggttca aattatacct gattcatcta tatttacttt taaaatgtgt ggtttcctca   180
84 ttttaaaagt aaaactaaac agtgcttttg gaatttctaa gctactaatt gttgatagat   240
86 acagcctgtg tctagtaaaa tagttttgtg ggtgtgggtt ctatctttcc atgaaaaagt   300
88 gggaggtgta agttagtttg gttagtgcct aatagttaaa tttatataaa ataagaatga   360
90 gcatttggta tctgtatgaa agggccctaa atcaaaatga ttatccataa tcaatcttta   420
92 ttcttgtttt ataaaaacca aagggcactc attggttaag tgtgctgaga tagaaaag     478
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116 <223> OTHER INFORMATION: n = any nucleotide sequence
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128 <223> OTHER INFORMATION: n = any nucleotide sequence
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132 <221> NAME/KEY: misc_feature
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134 <223> OTHER INFORMATION: n = any nucleotide sequence
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140 <223> OTHER INFORMATION: n = any nucleotide sequence
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146 tcttcgctct gcgctcgtgg cctcctccaa ggcctccagt ctcctttaag aaaactcaag   120
148 acctgggaag ctacgatgcg agcttgatgc cgctacccta gcaggctatg gacttcctga   180
150 gggtcctcgg actgttgaca cccattccga tccgcatcct tccaagctga taagcccggg   240
152 accctagggc ggggtgccca gactcatgtg tgacgccttg cagtgaaacc ccattcccag   300
154 tgtggttgct tctttgctgg gctttggccc atttgatacc acgaaggatg acgatgctag   360
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RAW SEQUENCE LISTING   DATE: 08/03/2006
PATENT APPLICATION: US/10/541,998   TIME: 09:50:26

Input Set : A:\19020.seq.txt
Output Set: N:\CRF4\08032006\J541998.raw

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      158 ccaggaagca ggtgtccgga actgacatct tggagcagag gggccatgag aggtgtgtgt    480
      160 atcctgccag aaagcagctg gaccacgacg ctcccaagat gaacccactg tatacagagg    540
      162 catcatggga gttgttatgt caggagcatt ctagacccac gtgtacttga gcgtggaaag    600
W--> 164 acagaagana ngcgcagaga ctggggcact tgatctgctc accatgatcg cctgcacggg    660
      166 tctcatccag ttcctgcctt aggctacagt ggcggtgtcc acgggcttgc cattcaacgt    720
      168 gctctcagac ccagatcggg ctcaccactg aggagaacct tttcactttg gtgggtatgc    780
      170 agagggaagg gtctcgactc cagagacctg gagtccaaag tttgtttttt tttatttacc    840
      172 agtaatttat ttattttttt tattattagt tatgagtcca aagtttaata ccattcaagc    900
      174 tactgctgtc tgtctgctta gagccacagc atgcaatgtg gcaccaaggc atccttgtcc    960
      176 tcacagtttc acactgtggg aacaggcatc cttgttctta cagattagcg cgagggaaac   1020
      178 cagaaatatt aaacacgcag ggttgtctct ccaaagggag aggcacatac cctgtttttcc   1080
      180 tcccgaaggc tgggagcgga ggtgtttgat atcctggcta cctctgtgca atctgtaggc   1140
      182 catgtcctta agatgtagct gtcagtcggt agtggagccg gagccgtcag tcagtagatt   1200
      184 ggggttgtgg catgcgcctt taactccatt taattccagc actctagtgg tttggtacag   1260
      186 cagcagcagc agcggttgca gtggcccggg gaagtcctga agaccagctt tcatcccagc   1320
      188 actcaggcag caaaggcggg tggattctct gagttcgagg ccggcctggt ctacagagtg   1380
      190 agtccagncn agccagggct acaacagaga aancctctct attgaaaaat aaataaatta   1440
      192 taaaaaaaaa aaggtgtcat gtgtcctgtg tactttacaa agaatgttga tgcttaagct   1500
      194 tttttgtgca cncaagaaaa ttgtttaact ggtgtcagac tcctgaagtt tgaaccagca   1560
      196 cttagccngg cgtggtggcg cacgcctgta atcccagccc tcgggaggca gaggcaggtg   1620
      198 gatctctgag ttagaggcca gcctggtcta cagagtgagt ccaggacagc caggattaca   1680
      200 cagagaaacc ccgtctcaaa aatgtaaaat aaattaaaat aaagtttgaa ccaacagtgt   1740
      202 ttactgagtc gtgttgaaac agattacctt tttgcttctc tttgatcatt attctactgt   1800
      204 ggtgtcagca gagacccctc cagcaggtgg ccaacgtgag agtctcaagc ccgagaaggt   1860
      206 aagaatttaa aaaaaaaaa aaaa                                            1884
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      236 <223> OTHER INFORMATION: n = any nucleotide sequence
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248 <223> OTHER INFORMATION: n = any nucleotide sequence
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252 <221> NAME/KEY: misc_feature
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279 <223> OTHER INFORMATION: n = any nucleotide sequence
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296 <222> LOCATION: (1305)..(1305)
297 <223> OTHER INFORMATION: n = any nucleotide sequence
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302 <221> NAME/KEY: misc_feature
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308 <221> NAME/KEY: misc_feature
309 <222> LOCATION: (1330)..(1330)
310 <223> OTHER INFORMATION: n = any nucleotide sequence
313 <400> SEQUENCE: 5
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316 tttctgttga gatgttggat gaaaacaagt atccactgtt taccaacttg acgaaaaatc     120
318 tcaactgagg tttggctgtt aaaaaaaaaa attcactgtg gcctctgtgc ttaattgtcg     180
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RAW SEQUENCE LISTING              DATE: 08/03/2006
PATENT APPLICATION:  US/10/541,998   TIME: 09:50:26

Input Set : A:\19020.seq.txt
Output Set: N:\CRF4\08032006\J541998.raw
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       320 taaaccattg tgactgttac tgctcaaagt atcgtactgt tcattagtaa ctacatcaga    240
       322 attgcaccgc tgctgttgga aaagccaata aagaaacccc cagactgctg ctcagcaaat    300
       324 gttaataaag tgtgcgcacc gtaggcctgt ccacccagtc accaagcagc gtccctttgt    360
W-->   326 ctgcgagtgg ctgtgggtgt gattnaccac ctcagaggtg cacagcacct gcttgngccc    420
       328 ttaagtgtgn gtcagaagac aagcagcttc tcggtaacca acaacctgct tttcggagct    480
       330 cagtgtttag gctgtttact gaatcanata tgtaactcag cacacataag cgaagagaga    540
       332 ttttggctgc actggcaaga gtgaaccaaa tttacttcta tttttaaag gcagatcata    600
       334 tttaagcata taagtaattt atggatataa attgttggat atttatttta gtctgaatat    660
       336 ttgttttaa attattacat gtgttctcta tgtctttatc tctggaataa cgatgccatt    720
       338 aaccacatgg ccatatgttt tgaaagttgg gtgnaacaga ggaaaagtca tccttcttgg    780
       340 ttcttgactc cctttcctca actacatgat aagtctatca ataaagcatt tgacctcagc    840
       342 aggggcagaa gcctgnaaag ttagaaaact cattgaccac agtagacaat tgatttctta    900
       344 gaaataagaa gtgagaagca gctgctgngc tgagcagggg atgtaaacca agtccagatg    960
       346 caccaacgtg aagaggcttn tagcaaaaat atgtttgcct ctcaccctg cacatgttct    1020
       348 agatgcttaa aaacagccac atggccccgc tgcgaggacc tcgtaatgtt gttgttgttg    1080
       350 ttgttgttgt taaaggagtt ctcacaagcg tacaagtgca gcactgaaag tggctgaggc    1140
       352 ccacagtcct cagcacccaa gtctnttccg cagcacgcca agctggtgtt gtccgggtgn    1200
       354 gtatgtctgt gctcagtgcc aagctggtgt ttggtcccgt tgtatattat gtgccccaag    1260
       356 tgttttgggg canagctgac ccangctgga cacacttctt ttngncttcg agtttactgg    1320
       358 ttgatncagn taaaaataaa ttaattaatt aaagactt                              1358
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       362 <211> LENGTH: 390
       363 <212> TYPE: DNA
       364 <213> ORGANISM: Psammomys obesus
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       368 <222> LOCATION: (3)..(3)
       369 <223> OTHER INFORMATION: n = any nucleotide sequence
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       399 <223> OTHER INFORMATION: n = any nucleotide sequence
       402 <220> FEATURE:
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Handwritten annotations: ? "c" is at 60 (see p.6) ; "a" is at 71 ; "a" is at 91 ; "g" is at 113 ; see p.6

<220>
<221> misc_feature   *c* is at 388
<222> (388)..(388)
<223> n = any nucleotide sequence

<220>
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<222> (524)..(524)
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<220>
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there are only 390 nucleotides in this sequence

<400> 6

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aatatcatcg agcagcgcag ccttaagtgg accttcgtcg ggggcaaggg tggcgttggt    120

aagaccacct gcagctgcag cctggcggtc cagctgtcta agggacgtga gagtgttcta    180

atcatttcca cagacccagc tcacaacatc tcagatgcat ttgaccagaa gttctccaag    240

gtgcctacca aggtcaaagg ctatgacaac ctctttgcta tggagataga cccgagcctg    300

ggcgtggcag agctccctga tgaagttctt cgaggaagac aacatgctga gcatgggcaa    360

gaagatgatg caggaggcca tgagcgcctt                                     390
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/03/2006
PATENT APPLICATION: US/10/541,998   TIME: 09:50:27

Input Set : A:\19020.seq.txt
Output Set: N:\CRF4\08032006\J541998.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 336
Seq#:4; N Pos. 609,611,1388,1390,1413,1512,1568
Seq#:5; N Pos. 385,416,430,507,754,856,928,980,1165,1200,1273,1284,1303
Seq#:5; N Pos. 1305,1326,1330
Seq#:6; N Pos. 3,9
Seq#:7; N Pos. 524,527
Seq#:8; N Pos. 60
Seq#:9; N Pos. 71,91,113,388

VERIFICATION SUMMARY   DATE: 08/03/2006
PATENT APPLICATION: US/10/541,998   TIME: 09:50:27

Input Set : **A:\19020.seq.txt**
Output Set: **N:\CRF4\08032006\J541998.raw**

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L:41 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:300
L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:600
M:341 Repeated in SeqNo=4
L:326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:360
M:341 Repeated in SeqNo=5
L:422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:471 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:480
L:501 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:548 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:60
M:341 Repeated in SeqNo=9
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